

FIG. 1

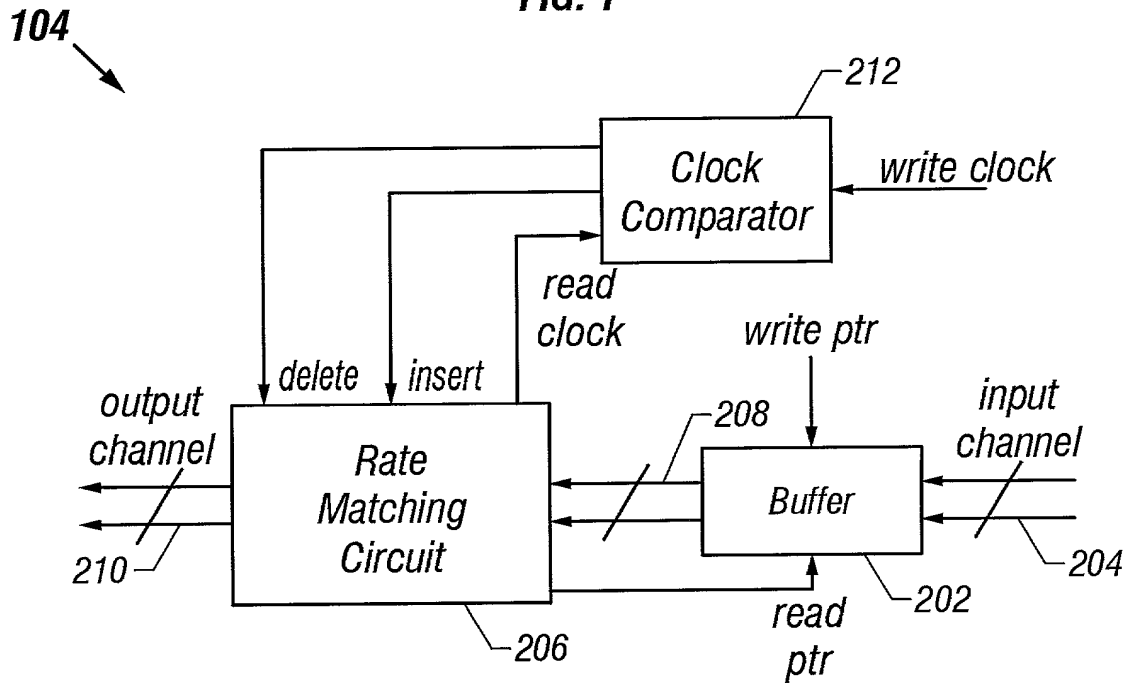


FIG. 2

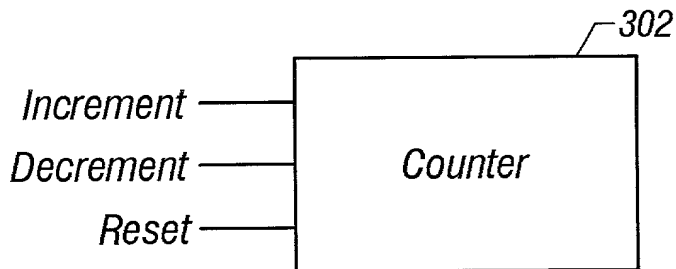


FIG. 3

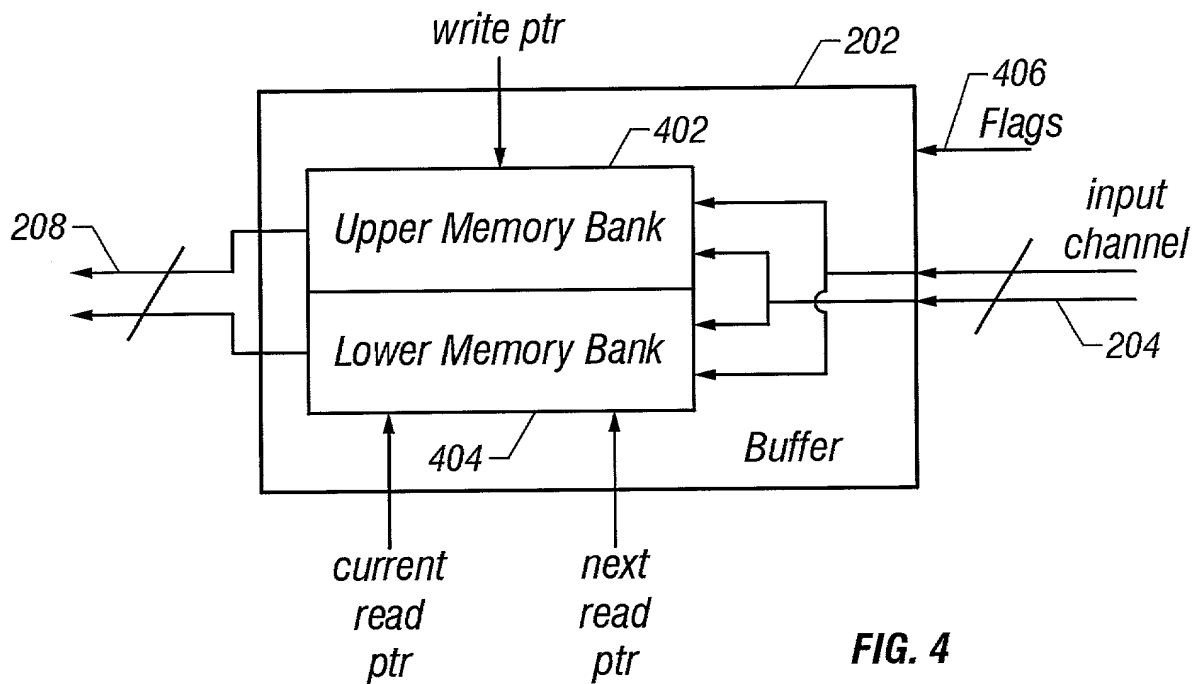


FIG. 4

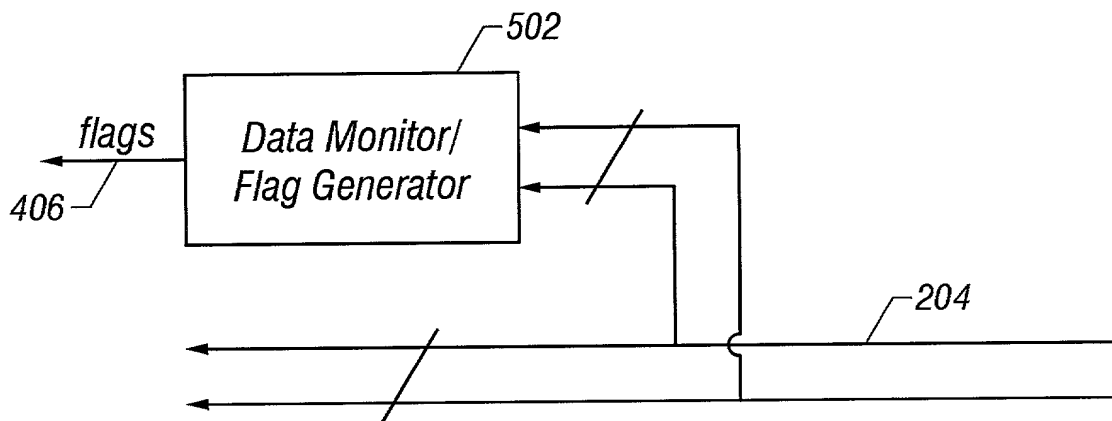


FIG. 5

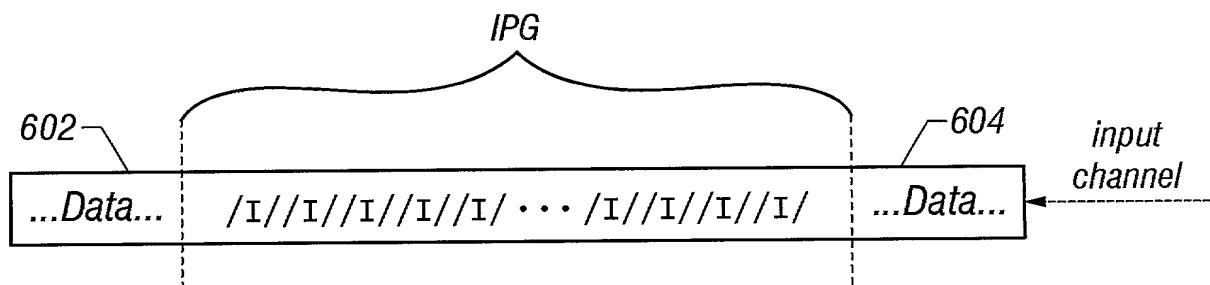


FIG. 6

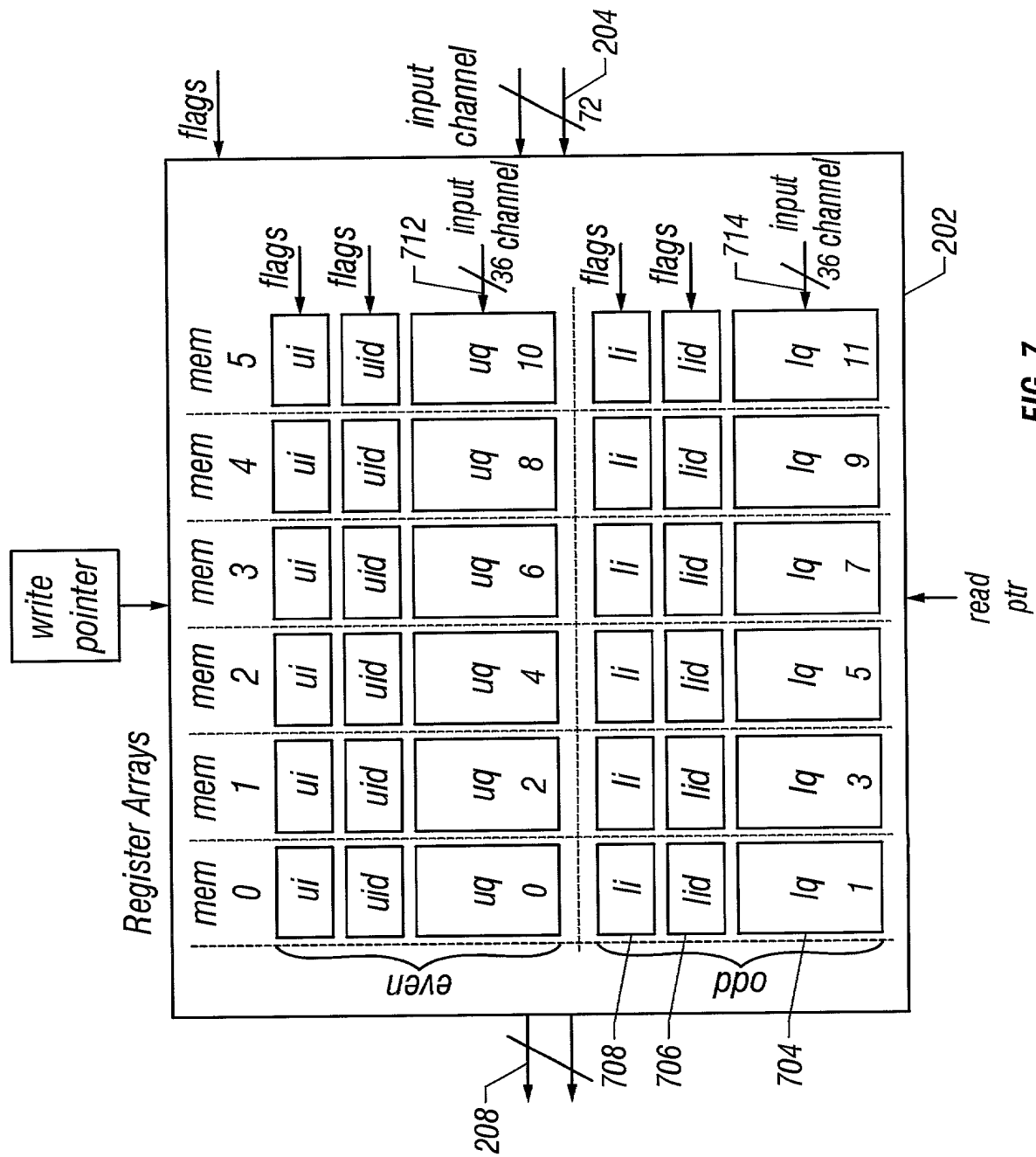


FIG. 7



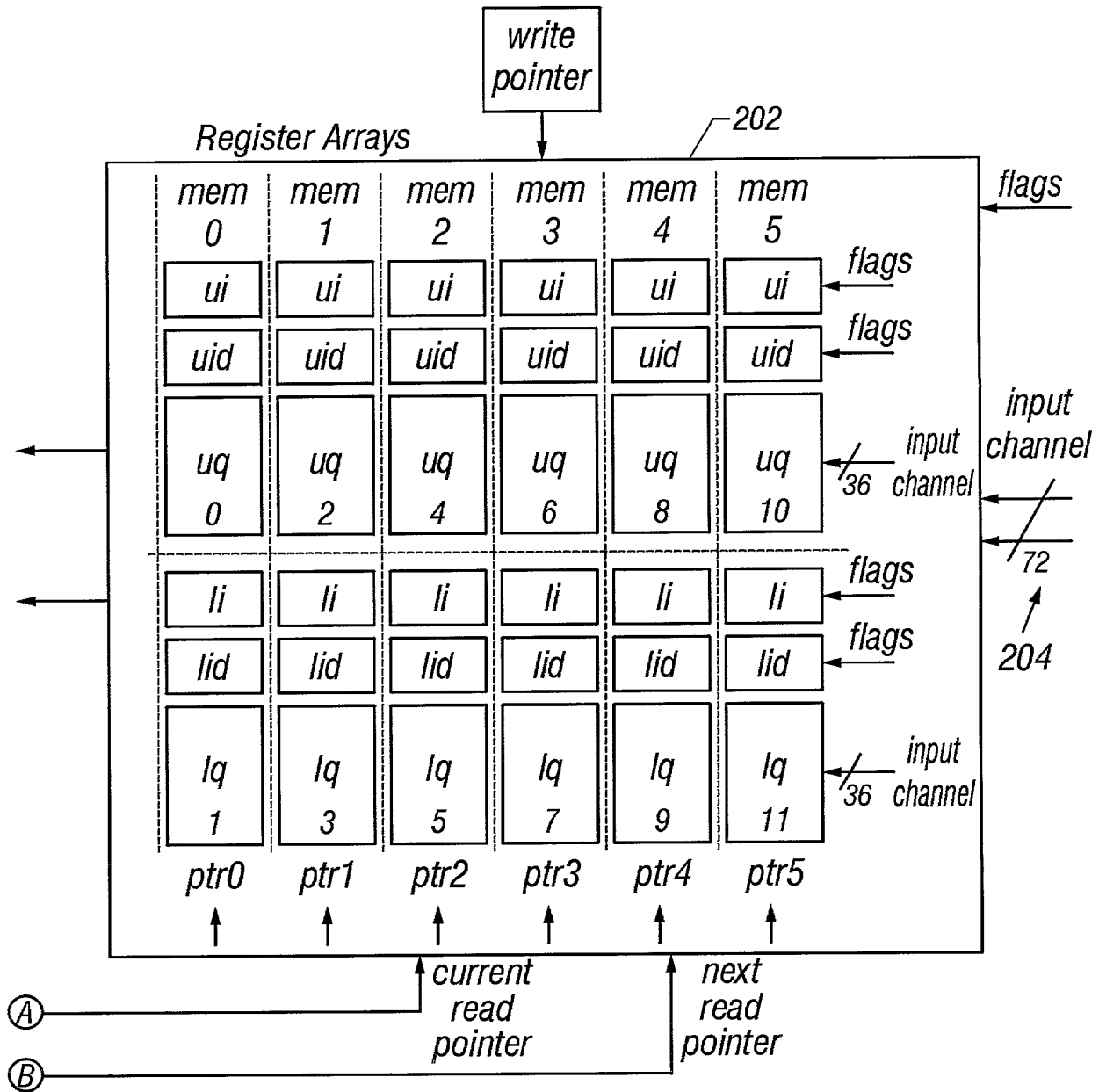


FIG. 8B

No deletable sets:

{delena, cuid, clid} == 3'b100, or  
 {delena, cuid, clid} == 3'b0xx

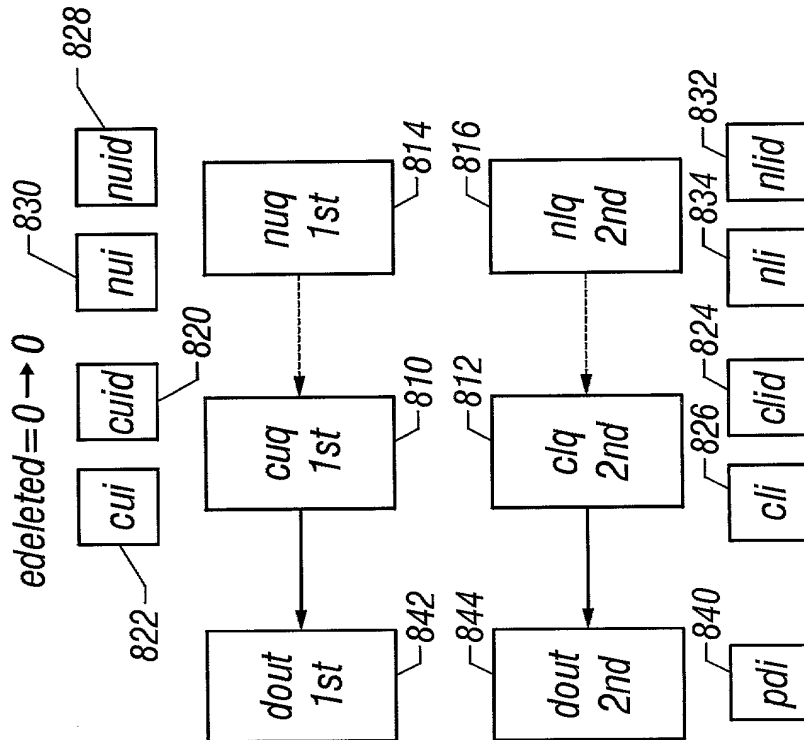


FIG. 9

Current upper queue cuq 1st set is deletable:

{delena, cuid, clid} == 3'b11x

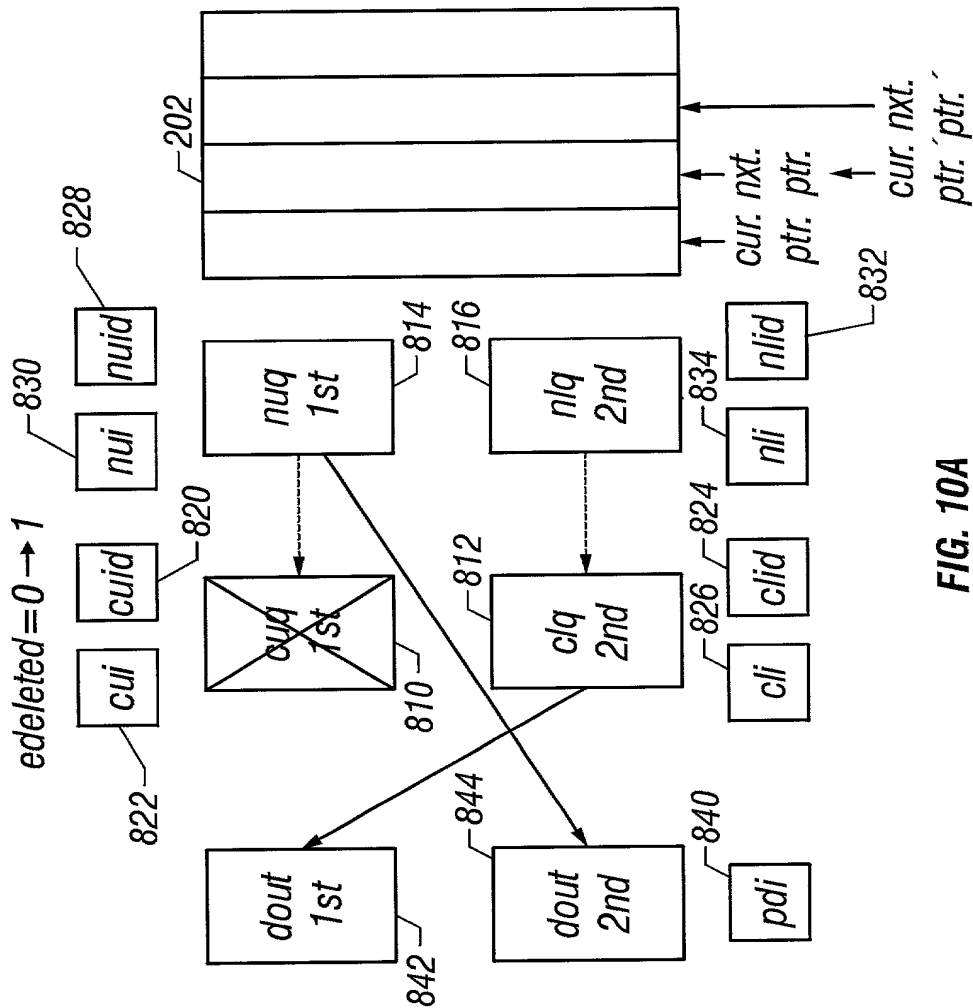


FIG. 10A

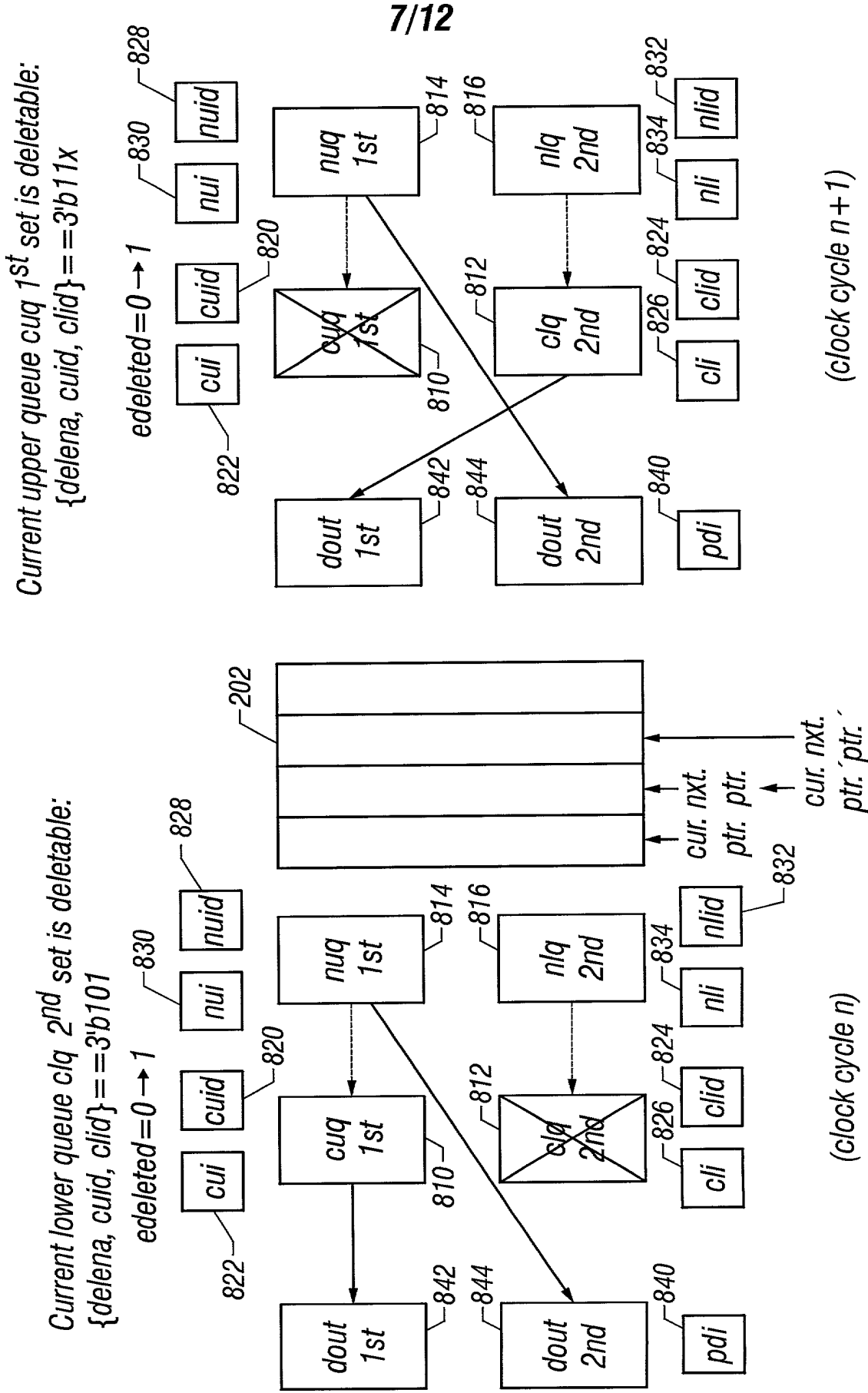


FIG. 10B

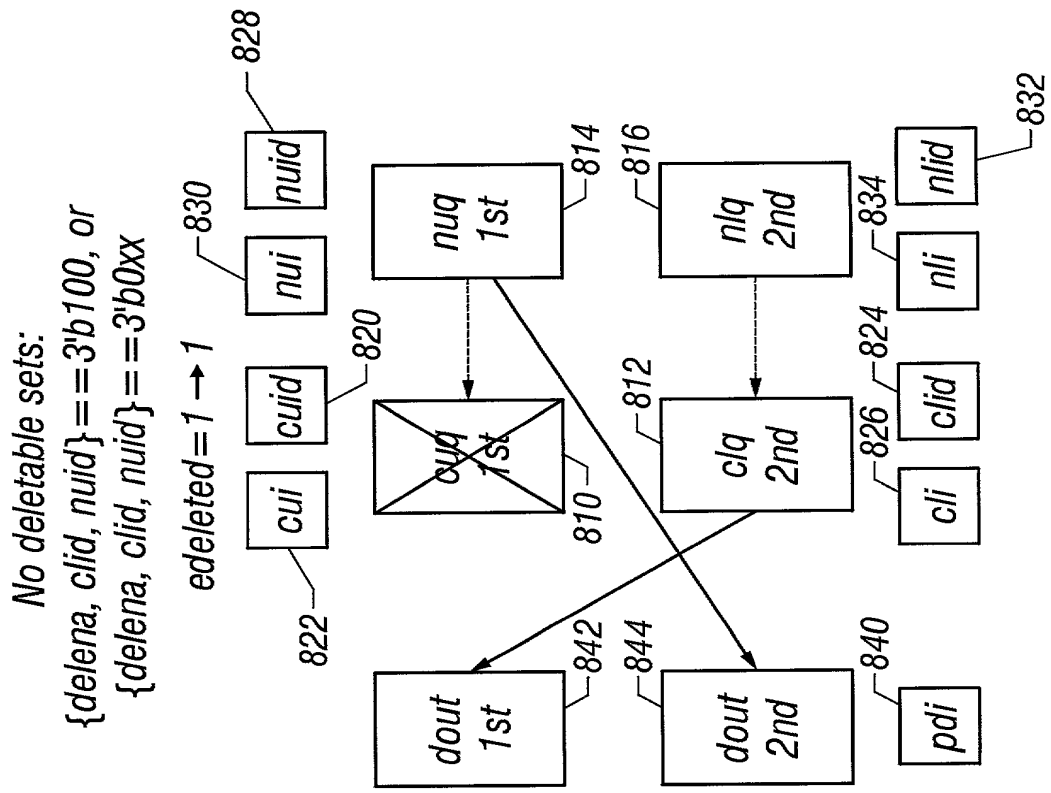


FIG. 11A



Current lower queue  $clq$  1<sup>st</sup> set is deletable:  
 $\{delena, clid, nuid\} = 3'b11x$

$edeleted = 1 \rightarrow 0$

$edeleted = 1 \rightarrow 1$

No deletable sets:

$\{delena, clid, nuid\} = 3'b100$ , or  
 $\{delena, clid, nuid\} = 3'b0xx$

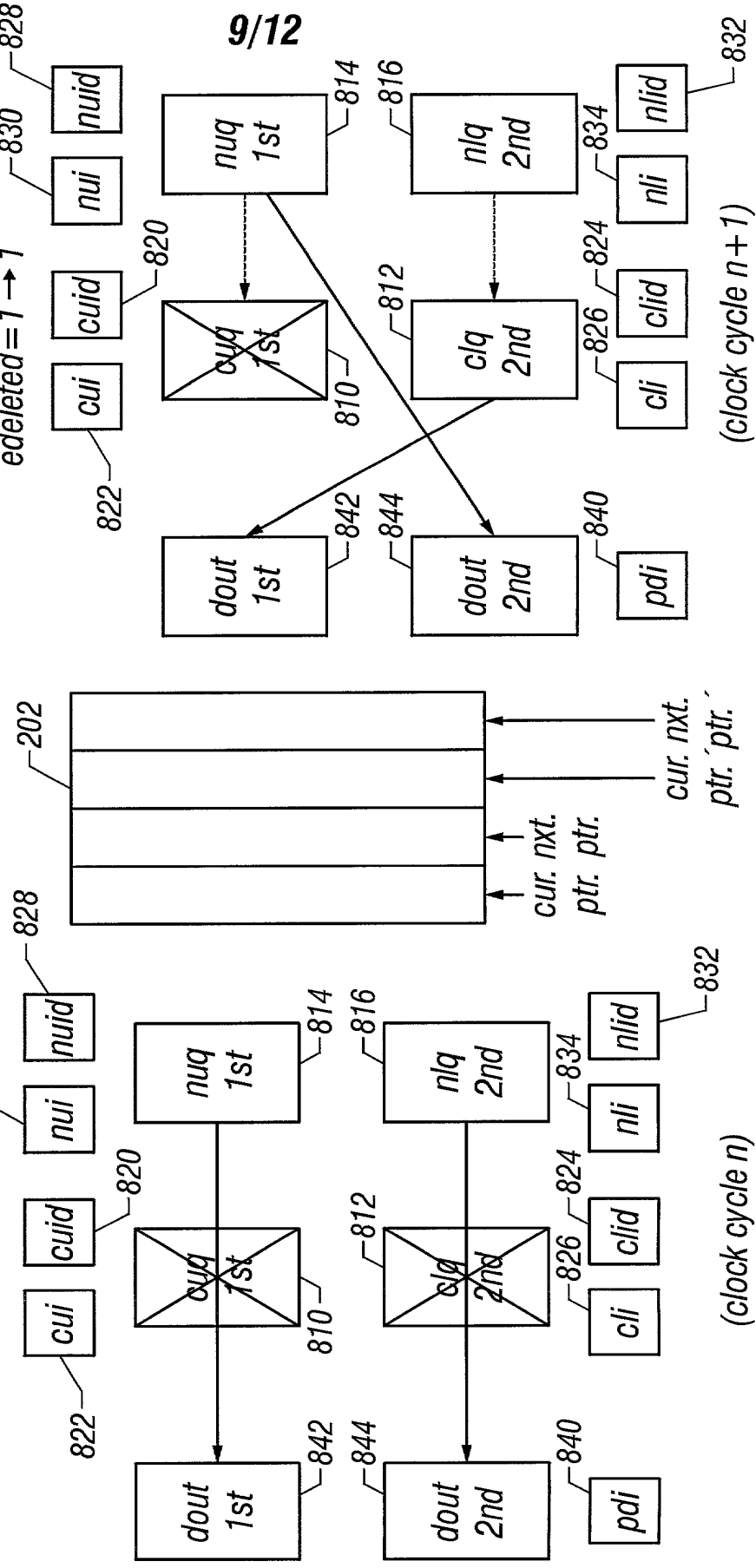


FIG. 11B



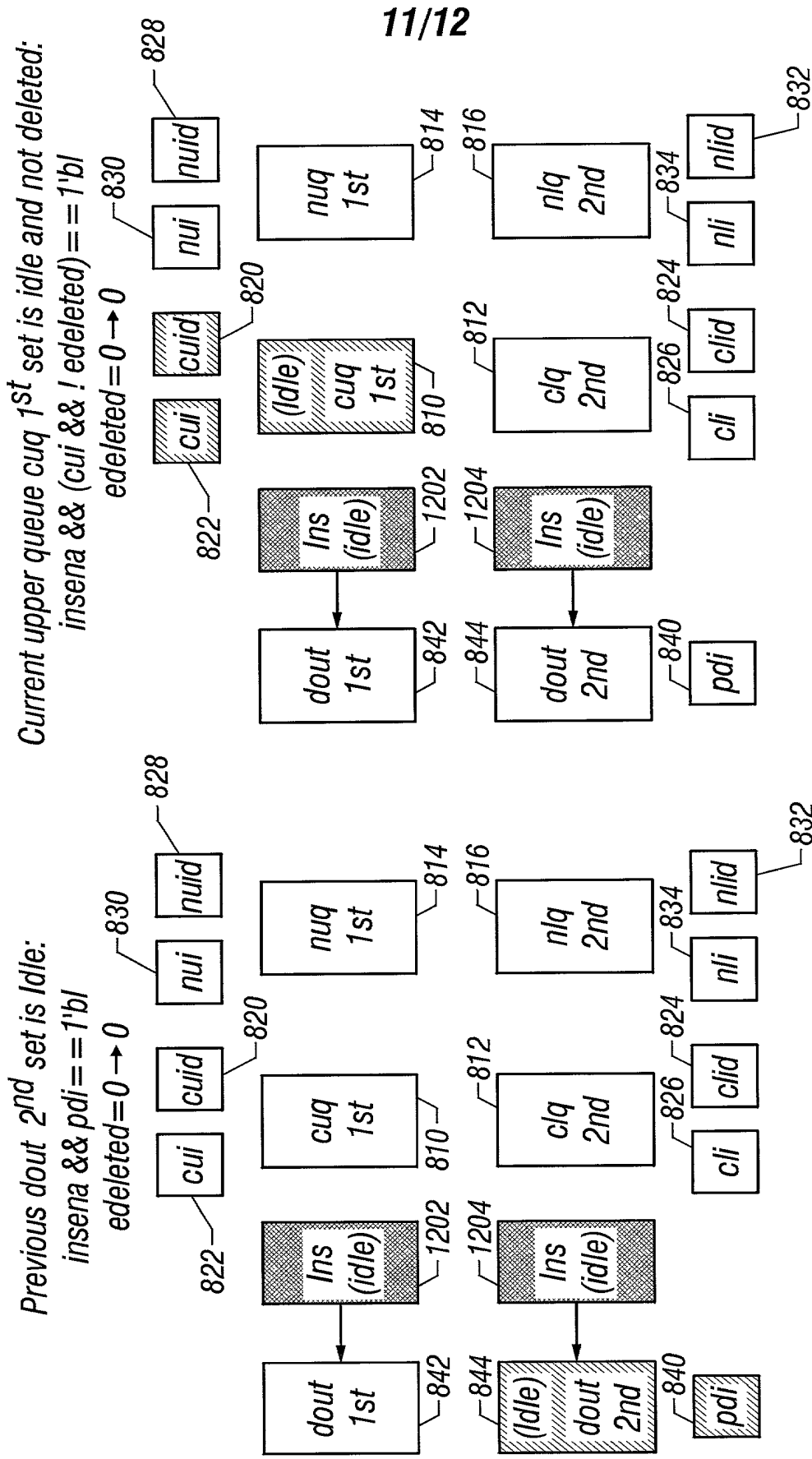


FIG. 12A

FIG. 12B

Current upper queue cuq 1<sup>st</sup> set is deleted and  
current lower queue clq 2<sup>nd</sup> set is idle:  
Insen && (cli && Edeleted) == '1'bl

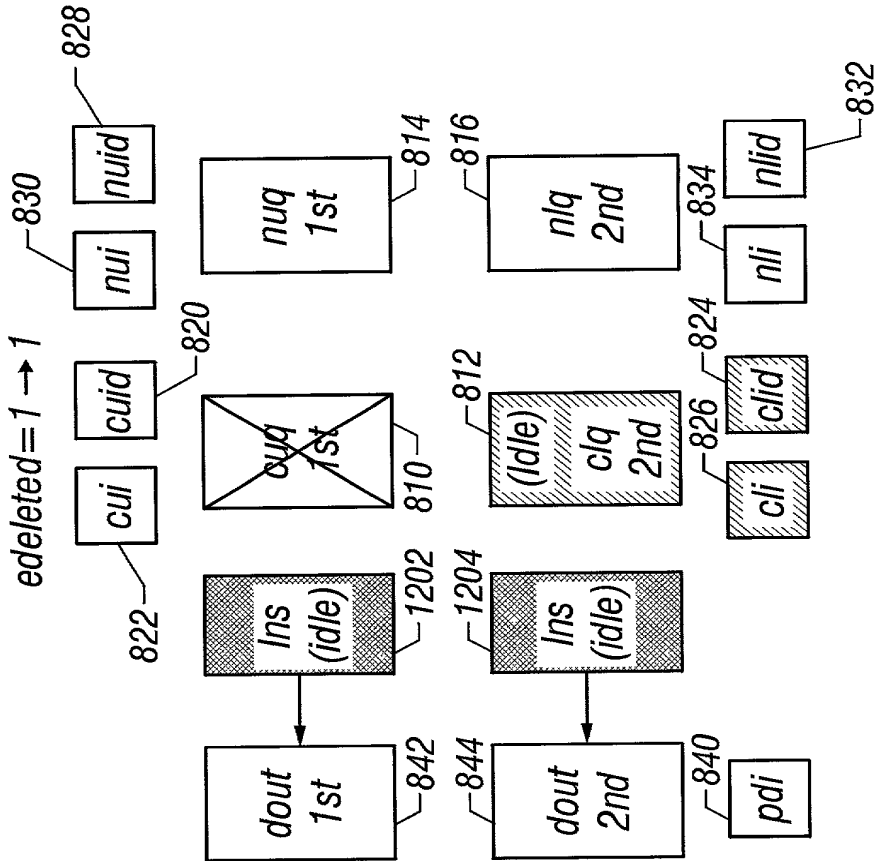


FIG. 12C